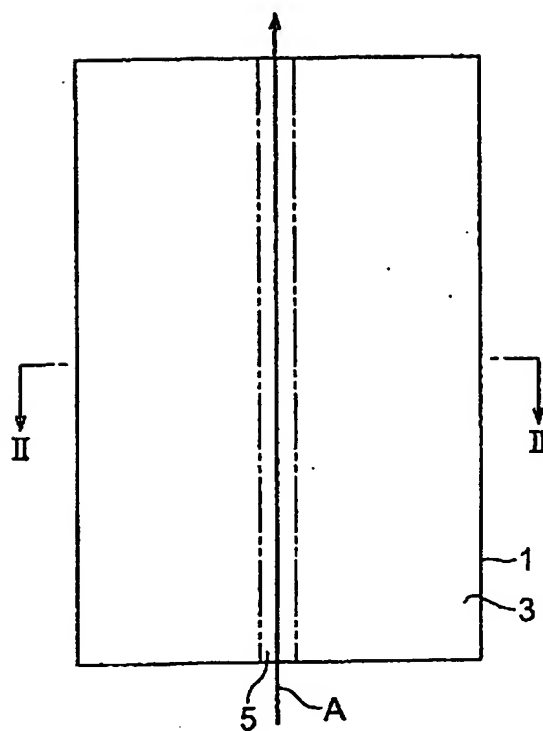


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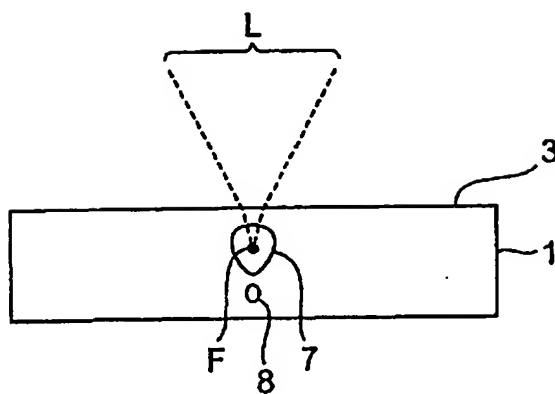
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Fig.1

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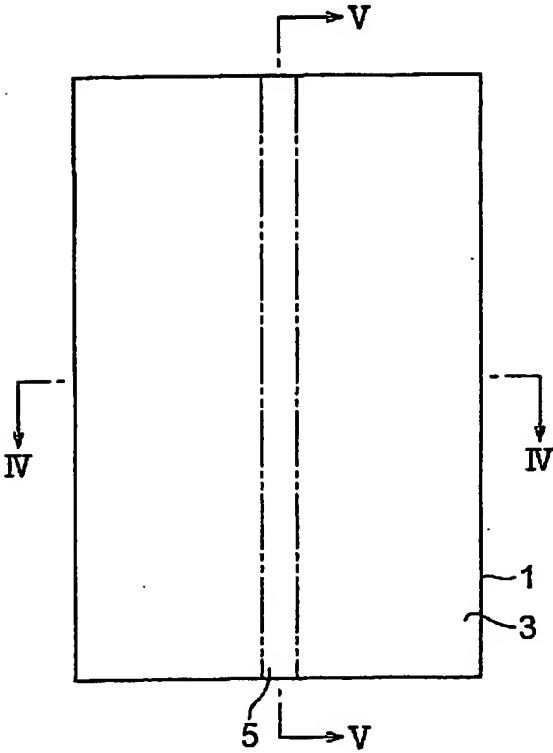
Fig.2



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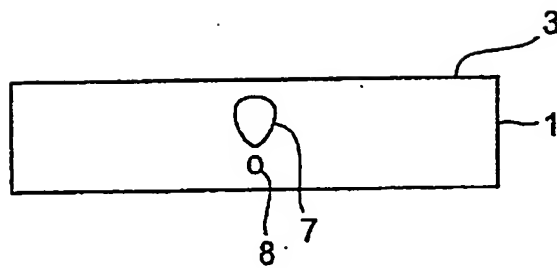
Fig.3



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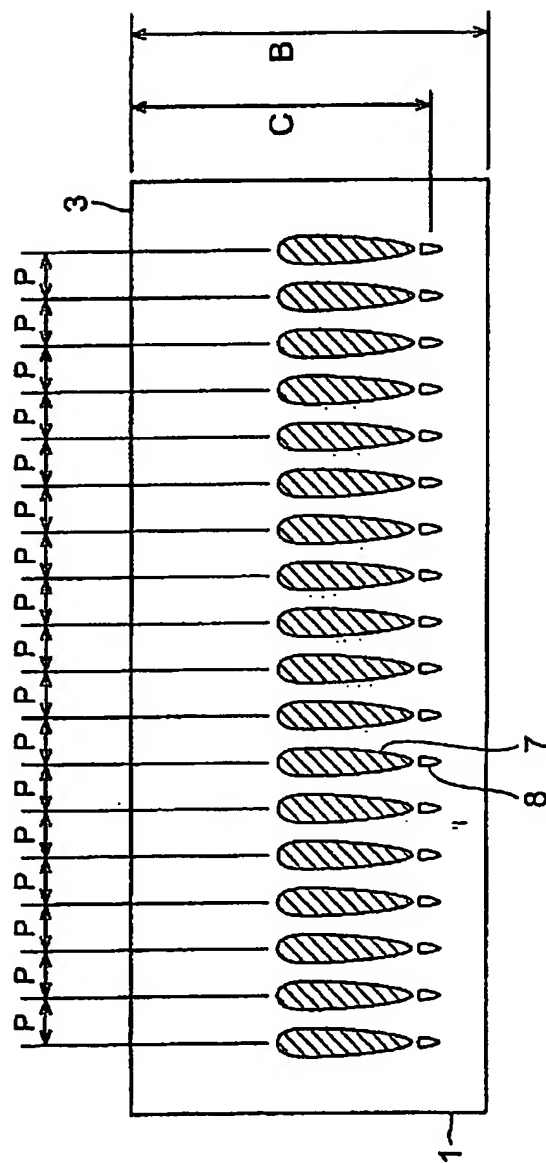
Fig.4



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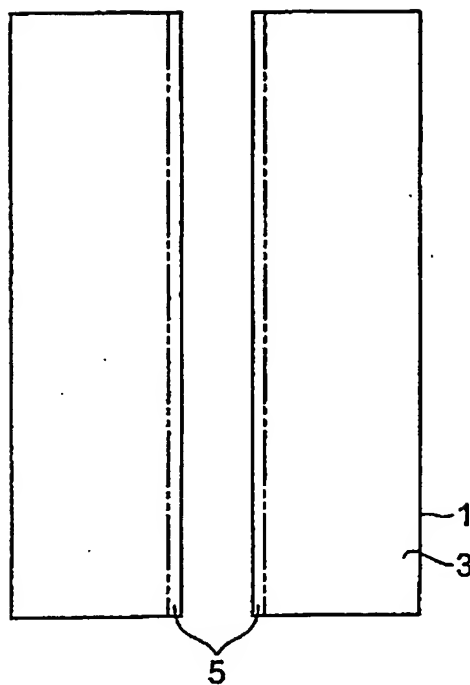
Fig.5



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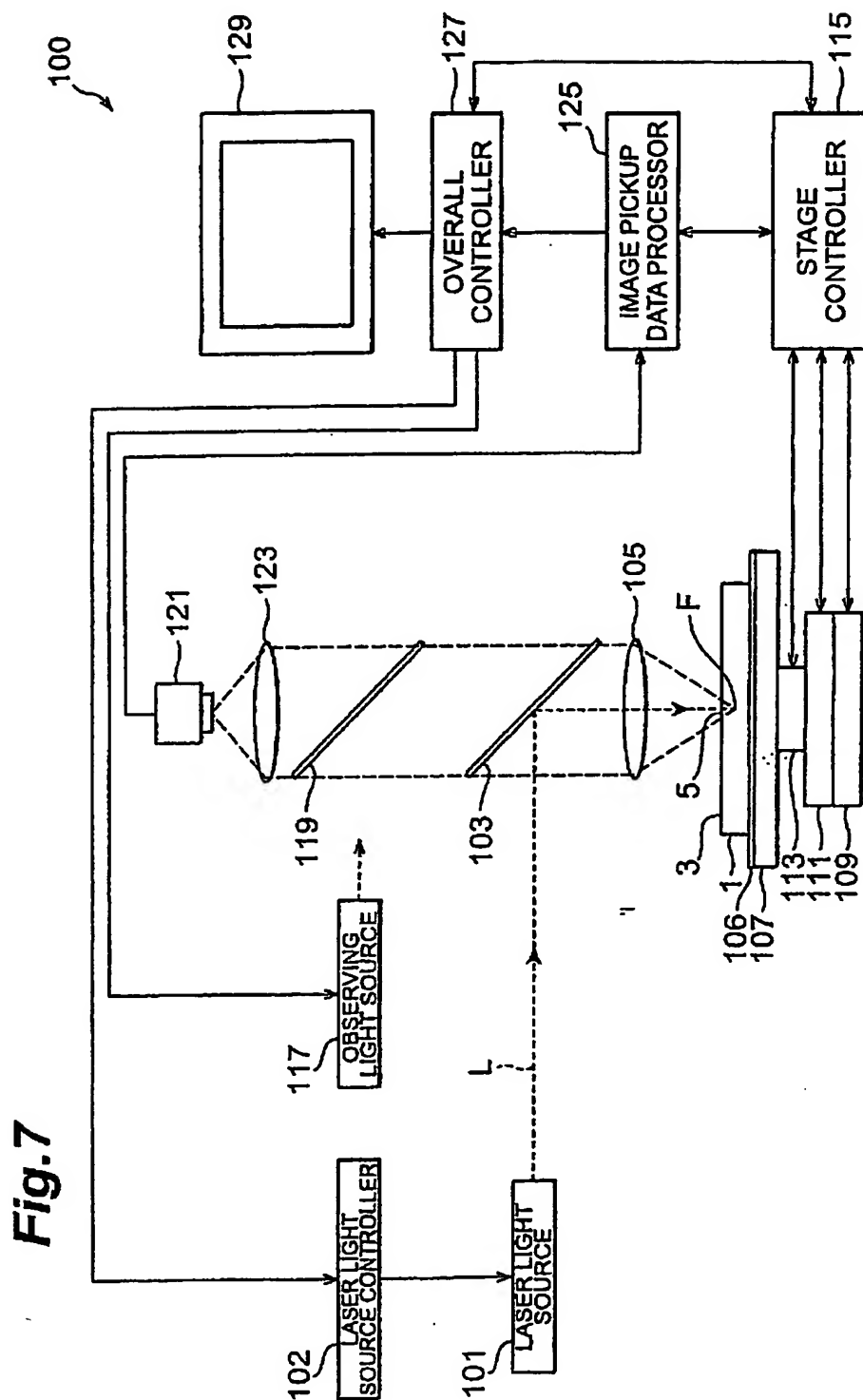
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Fig.6



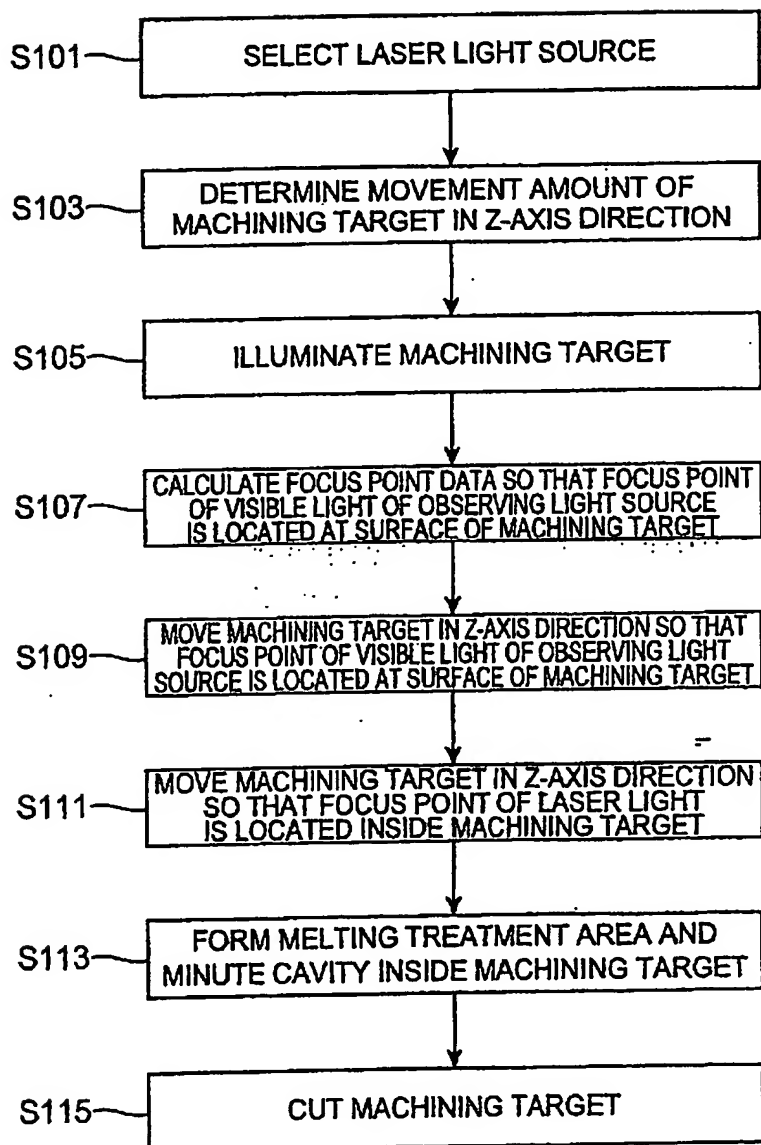
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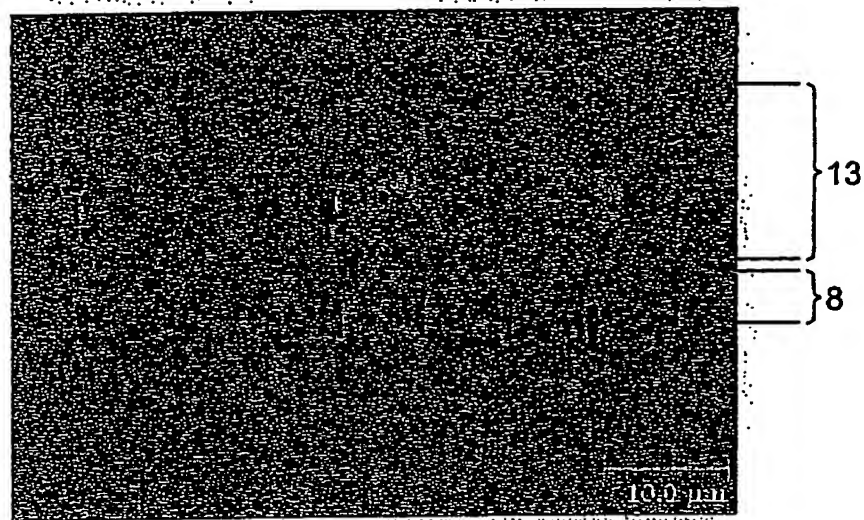
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Fig.8

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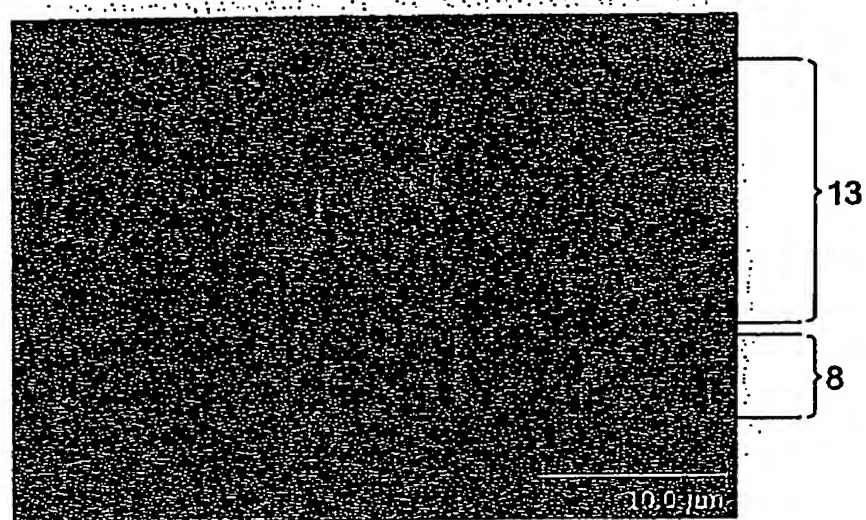
Fig.9



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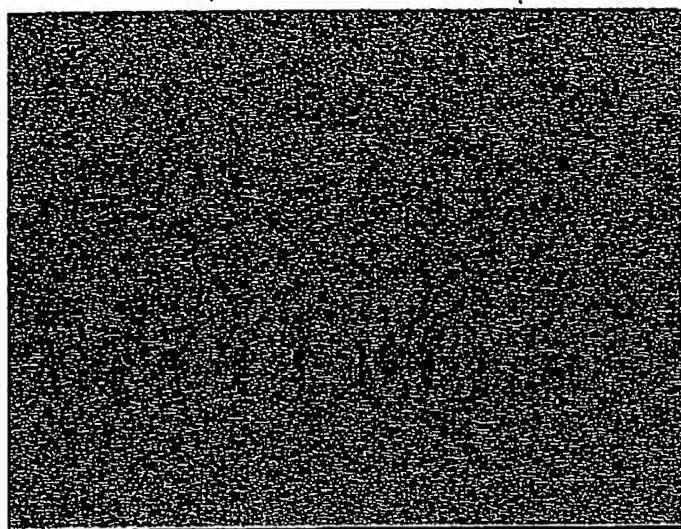
Fig.10



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Fig.11



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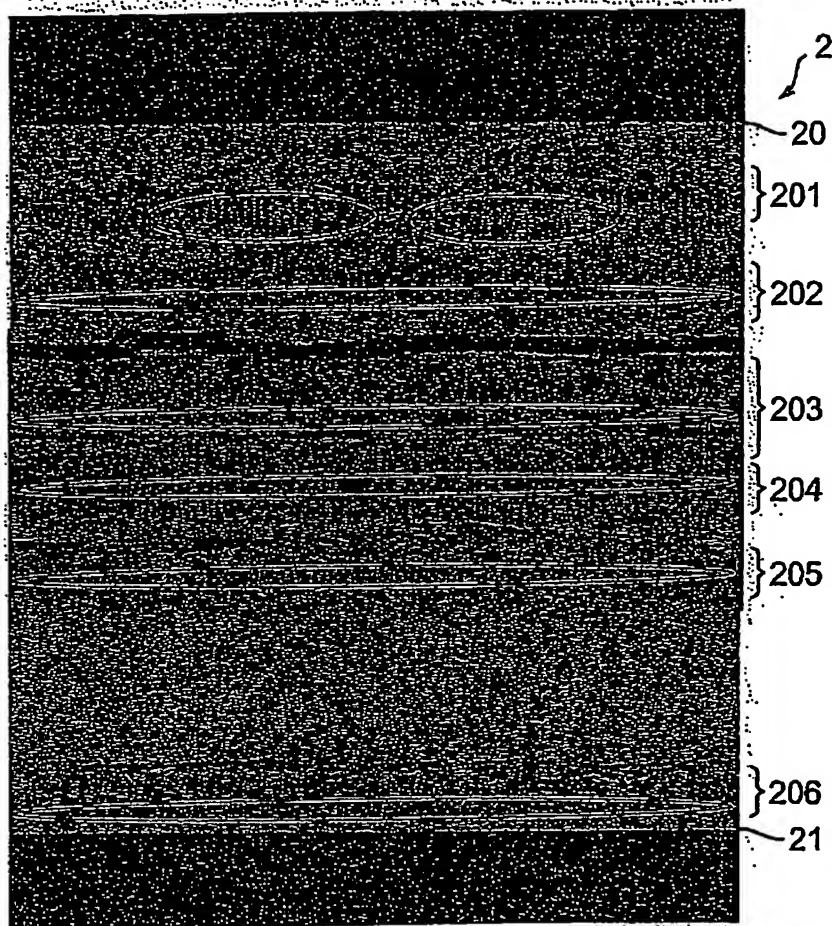
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Fig.12

	PULSE PITCH (μ m)	1.00	2.00	3.00	4.00	5.00	6.00	7.00
MACHINING DEPTH (mm/sec)		75	150	225	300	250	300	280
FREQUENCY (kHz)		75	75	75	75	50	50	40
PULSE WIDTH (nsec)		170	170	170	170	161	161	152
MACHINING DEPTH (μ m)	45	HC MOUNTAIN, Δ	HC MOUNTAIN, Δ	HC MOUNTAIN, Δ	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O
	50	HC MOUNTAIN, Δ	HC MOUNTAIN, Δ	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O
	51	HC MOUNTAIN, Δ	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O
	56	HC MOUNTAIN, Δ	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O
	60	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O
	68	ST Δ	HC MOUNTAIN, O	HC MOUNTAIN, O	HC MOUNTAIN, O	ST Δ	ST Δ	ST Δ
	69	ST Δ	HC MOUNTAIN, O	ST O	HC MOUNTAIN, O	ST O	ST O	ST Δ
	79	ST Δ	ST O	ST O	HC MOUNTAIN, O	ST O	ST O	ST Δ
	81	ST O	ST O	ST VALLEY, O	ST O	ST O	ST O	ST Δ
	82	ST O	ST VALLEY, O	ST VALLEY, O	ST O	ST O	ST O	ST Δ
	88	ST O	ST VALLEY, O	ST VALLEY, O	ST O	ST O	ST O	ST O
	90	ST O	ST VALLEY, O	ST VALLEY, O	ST O	ST VALLEY, O	ST O	ST Δ

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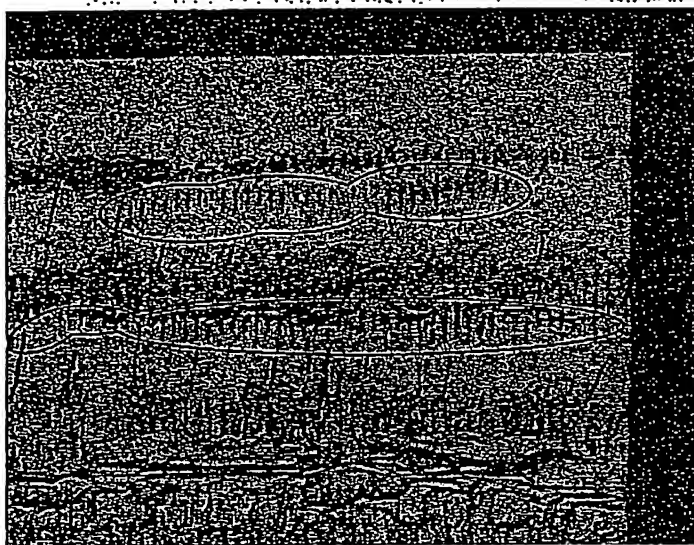
Fig.13

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Fig.14

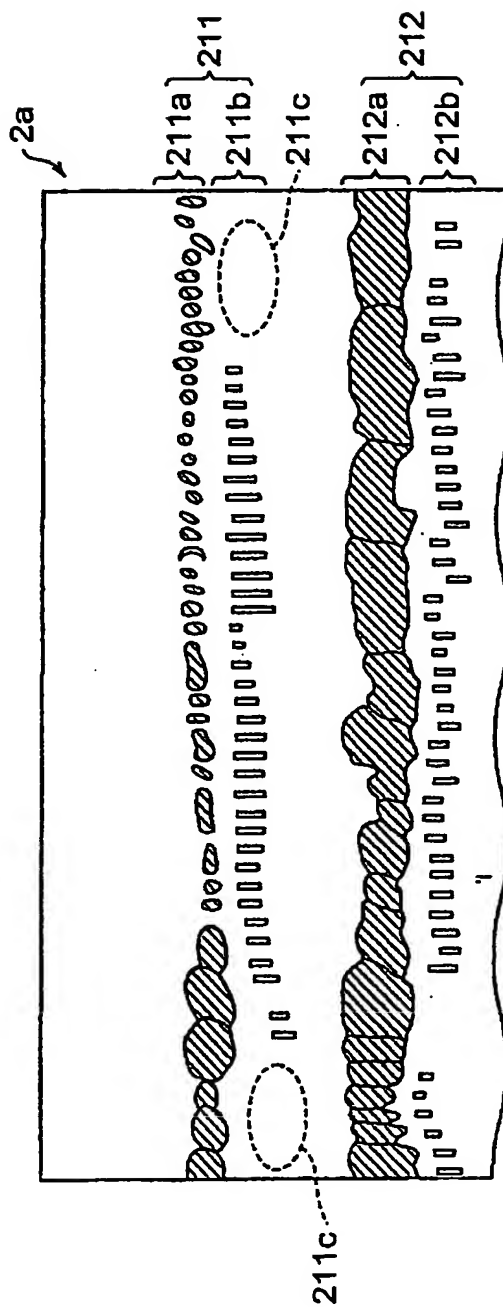
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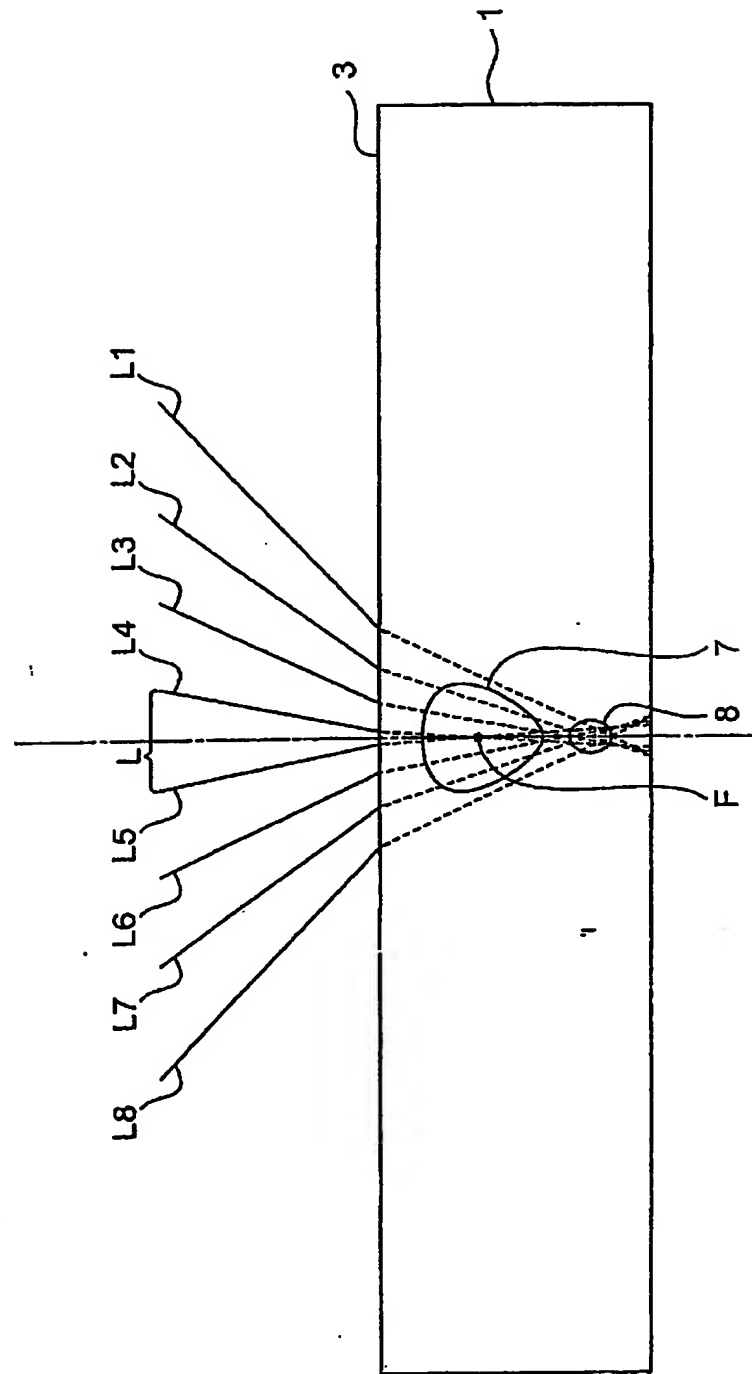
Fig.15



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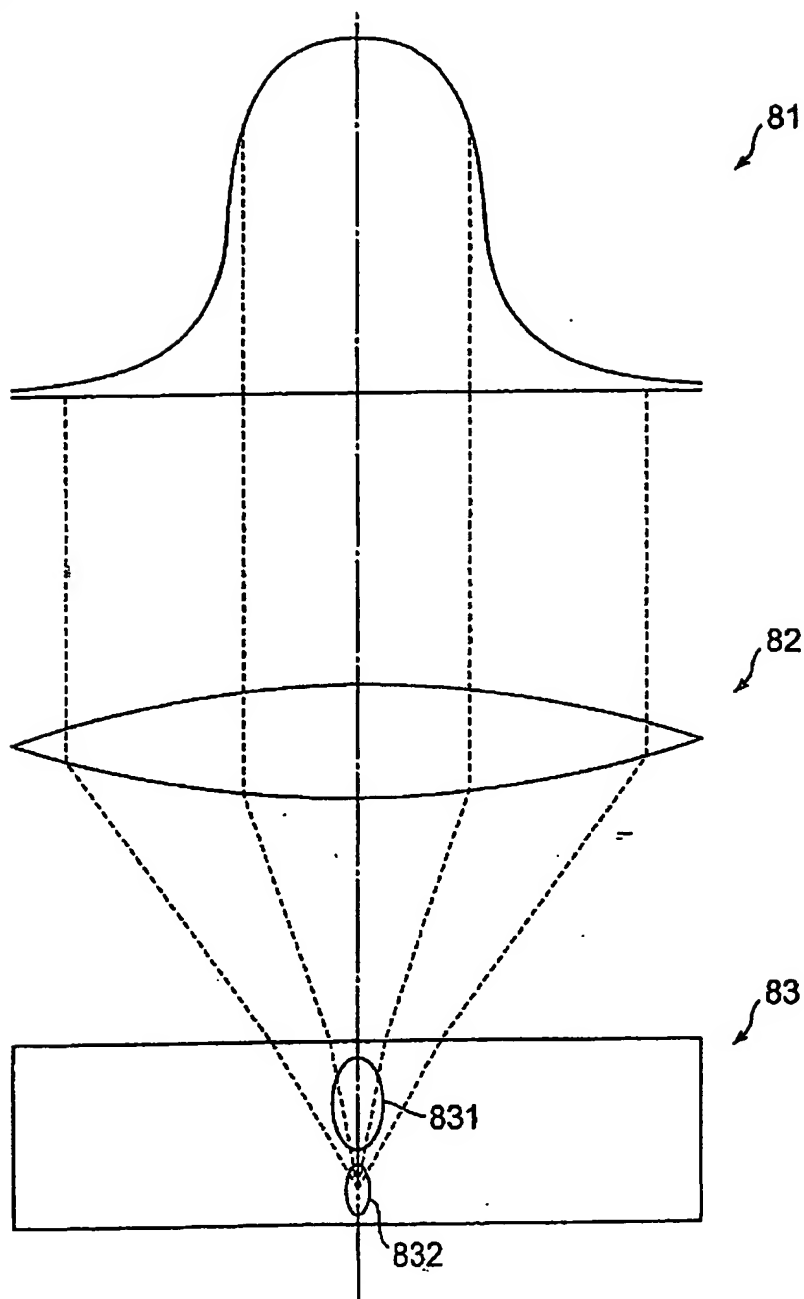
Fig.16



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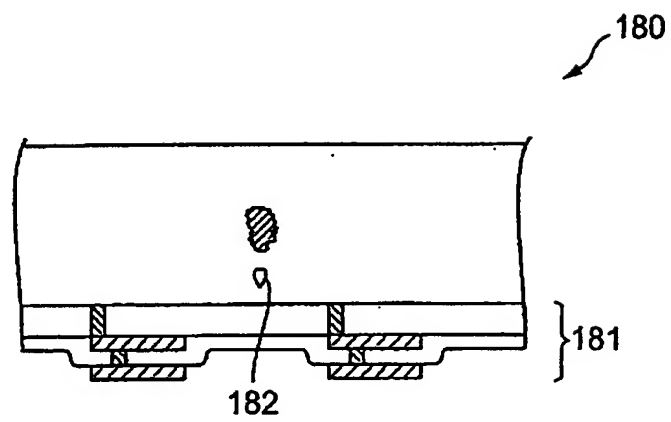
Fig.17



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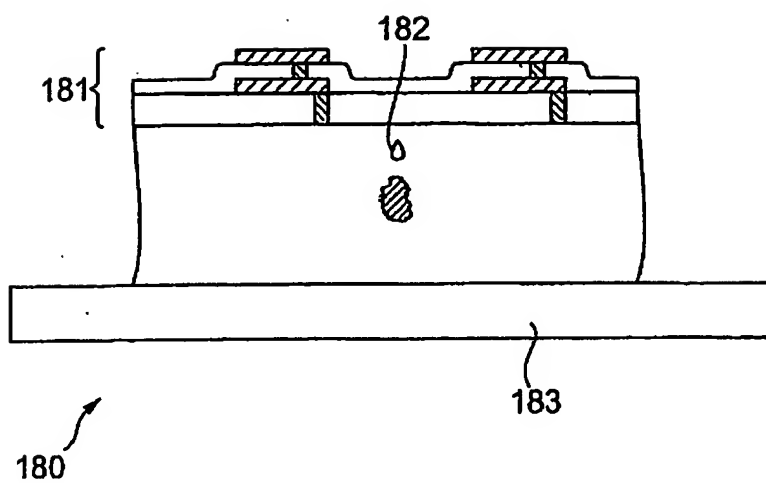
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Fig.18



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Fig.19

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Fig.20